Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/29/2018 09:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123158	-2	1.97	123212	2.00
Blue	F	SSC	125000	123847	-1	3.62	124571	3.59
Blue	E	FITC	16596	16001	-4	3.65	344	22.21
Blue	D	PE	29392	28455	-4	2.94	616	16.43
Blue	B	PerCP-Cy5-5	38531	38365	-1	4.64	1169	22.72
Blue	A	PE-Cy7	26351	26437	0	7.56	639	45.43
Red	C	APC	43035	42094	-3	2.97	1585	13.11
Red	A	APC-Cy7	25611	25096	-3	3.07	860	12.81
Violet	B	V450	8803	8406	-5	4.32	460	14.68
Violet	A	V500	32560	31586	-3	4.03	733	11.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20154	3.82	605	8	N/A	N/A	Pass
Blue	F	SSC	56114	3.13	574	19	N/A	N/A	Pass
Blue	E	FITC	62	72.32	557	7	0.0165	212	Pass
Blue	D	PE	129	55.82	557	8	0.1362	294	Pass
Blue	B	PerCP-Cy5-5	223	54.46	662	11	0.0074	60	Pass
Blue	A	PE-Cy7	126	108.96	717	12	0.0089	17	Pass
Red	C	APC	367	27.98	599	2	0.0211	158	Pass
Red	A	APC-Cy7	210	28.28	573	2	0.0049	1049	Pass
Violet	B	V450	72	67.18	476	1	0.0451	2338	Pass
Violet	A	V500	110	39.74	486	2	0.0193	1217	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.48	-32.12	1.14
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	18.67	13.60 - 20.40	N/A	N/A	29.44	29.77	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11742

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments